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## In the Claims

Amend claim 9 as follows:

- 1. (previously presented) A method for the reduction of proteolysis in ensiled crops comprising contacting a crop material to be ensilaged with an o-diphenol compound and polyphenol oxidase at the time of ensilaging in an amount effective to reduce the degree of proteolysis of the crop material.
- 2. (previously presented) The method of claim 1 wherein the amount of said o-diphenol and said polyphenol oxidase is sufficient to reduce the degree of proteolysis by at least 20%.
- 3. (previously presented) The method of claim 1 wherein the o-diphenol compound is applied to the crop material to be ensilaged at a rate ranging from about 5 to about 30 micromoles per gram fresh weight and the polyphenol oxidase is applied to the crop material to be ensilaged at a rate ranging from about 0.1 to about 1.0 unit per gram fresh weight.
- 4. (previously presented) The method of claim 1 wherein the crop material to be ensilaged is macerated to a conditioning index ranging from 30 to 60.

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- 5. (previously presented) The method of claim 1 wherein the o-diphenol compound is selected from the group consisting of caffeic acid, catechol, chlorogenic acid, phasic acid, rosmarinic acid, caffeoyl tartrate, and caffeoyl glucose.
- 6. (original) An ensilaged material prepared by the process of claim 1.
- 7. (previously presented) A method for the reduction of proteolysis in ensiled crops comprising contacting a polyphenol oxidase transformed crop to be ensilaged with an o-diphenol compound at the time of ensilaging in an amount effective to reduce the degree of proteolysis in the crop.
- 8. (previously presented) The method of claim 7 wherein the quantity of said o-diphenol compound is sufficient to reduce the degree of proteolysis by at least 20%.
- 9. (currently amended) The method of claim 7 wherein the o-diphenol compound is applied to the crop to be ensilaged at a rate ranging from about 5 to about 30 micromoles per gram of fresh weight of said crop.

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- 10. (previously presented) The method of claim 7 wherein the crop to be ensilaged is macerated to a conditioning index ranging from about 30 to about 60.
- 11. (previously presented) The method of claim 7 wherein the o-diphenol compound is selected from the group consisting of caffeic acid, catechol, chlorogenic acid, phasic acid, rosmarinic acid, caffeoyl tartrate, and caffeoyl glucose.
- 12. (previously presented) An ensilaged crop prepared by the process of claim 7.